Recombinant CLMN protein (His tag)

Catalog Number	550736
Synonyms	Calponin-like transmembrane domain protein
Species	Human
Expression System	E. coli
Accession	Q96JQ2
Molecular Weight	Predictes a molecular mass of 18.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-146
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 1-146 aa (Q96JQ2) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Calmin (CLMN) Fragment (aa 1-146) - A high-purity protein fragment specifically designed to encompass the complete Calponin-homology (CH) domain (aa 32-139), providing researchers with an essential tool for studying the structural and functional properties of this critical domain in membrane-associated protein interactions. Calmin (Calponin-like transmembrane domain protein), encoded by the CLMN gene, is a single-pass type IV membrane protein localized to cellular membranes. As a transmembrane protein containing calponin-homology domains, it is implicated in membrane-associated functions and structural organization. The calponin-homology domain is known to mediate actin binding and cytoskeletal interactions in related proteins, suggesting Calmin's potential role in membrane-cytoskeleton connections and cellular architecture maintenance.